



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO039766	MES002-VC	1	2	Net 30	M304TS0.750W.049	304 Sq Tube .75X.75X.049W ; MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft				240	5/28/2018	240		S074937	Stock	5/28/2018	\$ 3.80 / ft	0	
Total:										240		240							

Plex 5/28/2018 8:20 AM Dart.Dubois.Pascal

Shipping Order

24/05/2018

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 *Tel. : 450 641-3330*

Order : 135298
Reference : 39766
Ship : PICK UP / PICK UP


Customer : 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel. : 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Qty. Delivered</i>	<i>B/O Qty</i>
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SSQT34340494	304 SQ TUBE .750 X .049 WALL 12 x 20' ***** HT: 9H855	240	240	
	ship par Journey collect			
	JP			

Shipping : _____*Package No* : _____*Merchandise Received:* _____*Ref.* : 



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039766**

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO039766

PO Date: 5/1/18

Due Date: 5/10/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

E-MAILED
MAY 01 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: BID 27221

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	5/10/18	400 ft	0 ft	400 ft	\$3.80/ft	\$1,520.00
2	M304TS0.750W.065		304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	5/10/18	400 ft	0 ft	400 ft	\$2.75/ft	\$1,100.00
3	M304B1.500X1.500		M304 Bar 1.500 x 1.500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	5/10/18	12 ft	0 ft	12 ft	\$39.80/ft	\$477.60
4	MT-4140-S- 1.000X10.000		AISI 4140 Steel Sheet/Plate	Firmed	5/10/18	12 ft	0 ft	12 ft	\$88.6008333/ft	\$1,063.21

160 240
received balance
of 240'

MAY 26 2018

DAS
11
9-89

Plex 5/1/18 2:50 PM dart.lavoie.chantal

5/1/2018

PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
Line Item Note 2 pcs cut at 6 ft length										
5	MT-4140-S-1.750X10.000		AISI 4140 Steel Sheet/Plate	Firmed	5/10/18	12 ft	0 ft	12 ft	\$151.67916/ft	\$1,820.15
Line Item Note 2 pcs cut at 6 ft length										
6	Mt-4140-S-0.750X2.250		4140 Steel Bar 0.750 X 2.250 : MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	5/10/18	6 ft	0 ft	6 ft	\$20.6666/ft	\$124.00
7	MT-4140-S-1.500X2.000		4140 Steel Bar 1.500 X 2.000 : MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	5/10/18	6 ft	0 ft	6 ft	\$28.991666/ft	\$173.95
8	M4140H-R0.375		4140 Round Bar .375 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02/-A-434-BC/-A193-03-GRADE B7/-A29-03/-A322-91 OR UNS#-G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI receive ft	Firmed	5/10/18	12 ft	0 ft	12 ft	\$5.85/ft	\$70.20
									Grand Total: \$6,349.11	

Order Notes

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5/1/2018

PURCHASE ORDER

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit
www.dartaerospace.com for further explanation.



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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30450.750W.049

PO / BATCH NO: 039766/5074937

DATE: MAY 26 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 240'
 QUANTITY INSPECTED: 240'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W.049
 THICKNESS RECEIVED: W.049
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	<u>Astm A554</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	<u>Heat # 9H855</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-8</u> <u>MAY 26 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Kingmaker Steel Co., Inc.

Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203

Tel.: (732) 302-1800, Fax: (732) 302-1822

001336

Date: 1/11/2018

Invoice No: KM2018/0105

Purchase P009302

Order No:

Sold To: I

Material Certification

ISO 9001:2015

ISO 14001:2004

EN 10204/3.1B

Ship To: I

Stainless Steel T.I.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.049"W X 20'	9H855	MF	ASTM A554-16	MT-304
2:	3/4" SQ X 0.120"W X 20'	5H982	MF	ASTM A554-16	MT-304
3:	1-1/2" SQ X 0.180"W X 20'	5G289	MF	ASTM A554-16	MT-304
4:	2" SQ X 0.180"W X 20'	5H035	MF	ASTM A554-16	MT-304
5:	3" SQ X 0.120"W X 20'	TBH100713	MF	ASTM A554-16	MT-304

CHEMICAL PROPERTIES

	C	Si	Mn	P	S	Cr	Ni	Mo	N	Cu
1:	.015	.430	1.10	.035	.003	18.21	8.07			
2:	.020	.390	1.43	.029	.010	18.05	8.03			
3:	.018	.390	1.38	.033	.004	18.27	8.05			
4:	.024	.370	1.43	.031	.005	18.19	8.04			
5:	.028	.430	1.21	.033	.003	18.20	8.09			

MECHANICAL PROPERTIES

	Tensile (N/mm2)	Yield (N/mm2)	Elong. (%)	Hardness (HRB)	Flattening	Hydrostatic	Eddy Current
1:	698.00	352.00	46.00	89.50			
2:	641.00	297.00	53.00	86.00			
3:	654.00	327.00	52.00	89.00			
4:	628.00	292.00	53.00	85.00			
5:	668.00	326.00	51.00	88.00			

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH:  ASTM A554 MILL FINISH
OR ASTM A269 MILL FINISH

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS | A.AAA | W | .TTT |
| WIDTH | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED
2016-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)	DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING	AJS	09.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).	AJS	00.08.20
A	NEW ISSUE	DS	01.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DB		
CHECKED	DS		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	14.05.20		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304TS		REV. D	
TITLE 304/316 SQUARE TUBING		SHEET 1 OF 1	
SCALE		NONE	
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